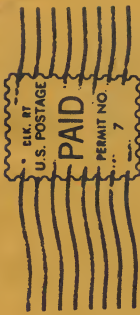


**POPULAR
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PORTLAND PLACE
BOULDER, COLO. 80302

INSIDE FOR YOU:
1. Money-saving news about your
Popular Electronics subscription
2. Answers to challenging electronics
quiz. (See back of envelope)



MAR 6
4

TED NELSON
BX 1546
POUGHKEEPSIE NY 12603

Try This Popular Electronics Brain-Tickler

1. A "gimmick" is usually a means to (a) connect component leads together (b) temporary hookup (c) very low capacity coupling.
2. Sporadic E propagation is more frequent in (a) winter than summer (b) the 2 meter band than in the 10 meter band (c) equatorial regions than temperate zones.
3. A shorted turn in a motor armature would be located by testing with (a) an inductance bridge (b) a growler (c) a commutator filter.
4. If an alligator clip has teeth and a bug makes "dots" automatically, a spider is a (a) type of TV antenna (b) supporting spacer for loudspeaker cones (c) wire mesh used for r.f. shielding.
5. An oscillator that uses the negative resistance characteristic of a tetrode to sustain r.f. output is called a (a) Clapp circuit (b) TPTG circuit (c) dynatron.
6. In 1927 the biggest manufacturer of radio receivers was (a) Clapp-Eastman (b) Atwater-Kent (c) Stromberg-Carlson.
7. If the separation between two unlike magnetic poles is reduced by one-half, the distance the attraction will (a) double (b) quadruple (c) halve.
8. A neutralizing capacitor is usually found in a tube circuit between (a) grid and plate (b) grid and ground (c) plate and ground.
9. In hi-fi the term "doubling" means (a) twice as much power output for the same input (b) changing over to stereo from mono (c) inferior low frequency speaker response.
10. The total number of authorized AM, FM and TV stations in the U.S. is (a) 14,260 (b) 5,898 (c) 9,265
11. You are most likely to see a shading coil on a (a) motor (b) black and white TV (c) color bar generator.
12. The 11-meter band was once used for (a) industrial r.f. heating (b) international broadcasting (c) ham radio.

**[See inside for answers—plus a
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1. c
2. c
3. b
4. b
5. c
6. b
7. b
8. a
9. c
10. c
11. a
12. all

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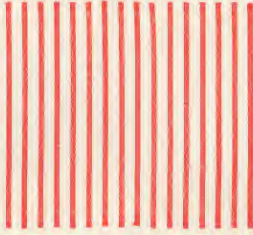
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Walter S. Mills, Jr.

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